



Functional Independence Mathematics

Official Released Items

Grade 4

**Fall 2008
Official Released Items**

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The Grade 4 Functional Independence Mathematics Assessment was administered for the first time in Fall 2005. Beginning with this administration, the Office of Educational Assessment and Accountability (OEAA) will annually release a portion of the items that are administered on the assessment. This booklet contains released items from the Fall 2008 administration and is intended to be used by districts to assist in their interpretation of item analysis data. The information contained in this booklet may also be used by schools, teachers, and parents as a resource for understanding the content and format of the assessment items. In addition to MI-Access training materials and Extended Grade Level Content Expectations (EGLCE), the released items may also have utility in informing decisions related to instruction, curriculum, and assessment. These items are **not** secure and may be copied and distributed as needed.

The table below lists the number of core and released items administered on the Fall 2008 Grade 4 assessment booklet. Core items are those that count toward students' scores. All released items in this booklet were selected from the pool of core items that appeared on the assessment.

Functional Independence Mathematics Grade 4

Mathematics Strand	Number of Core Items
Numbers and Operations	16
Measurement	8
Geometry	4
Data and Probability	2
Total Core Items/Points	30
Released Items	10 (Numbers vary by strand and topic.)

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DIRECTIONS: Read each question. Choose the **BEST** answer for each question.

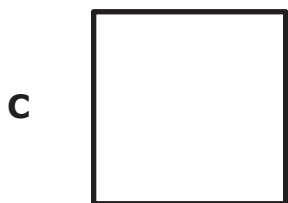
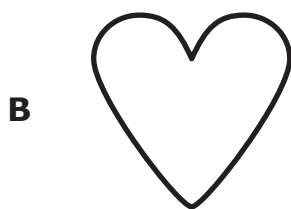
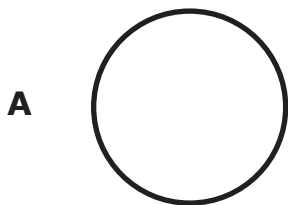
Use the pattern below to answer question **R1**.



R1 Which shape comes **next** in the pattern?




R2 Which shape has straight sides?



R3 Which shows 17?

A




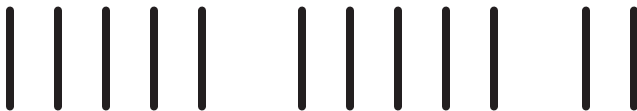
B



B



C

R4 Amy made a mark for each fish in her fish tank.



How many fish are in her fish tank?

A 8

B 7

C 3

Use the number line below to answer question **R5**.



R5 Which shape shows the number 6?

A 

B 

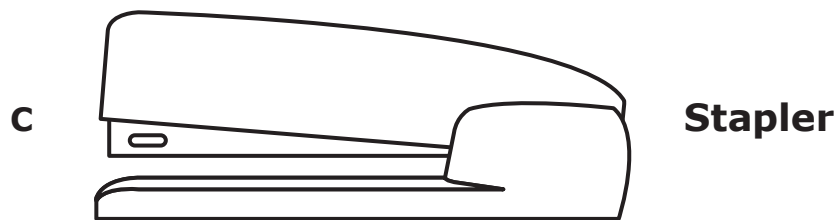
C 

R6 Charlie's baby brother is 15 weeks old today.

How old was he **last** week?

- A** 14 weeks old
- B** 15 weeks old
- C** 16 weeks old

R7 Which object is most likely the **heaviest**?



R8 Tom had 90¢.

He spent 40¢ on a soda.

How much money does Tom have **left**?

A 30¢

B 50¢

C 80¢

R9 What is **11 – 6**?

A 7

B 6

C 5

R10 What is the **difference**?

$$\begin{array}{r} 39 \\ - 6 \\ \hline \end{array}$$

A 45

B 33

C 23



Do Not Continue.



Do not continue until instructed to do so.

Below is a list of the Extended Grade Level Content Expectations (EGLCE) for each released item found in this booklet. The chart contains the EGLCE code, a brief description of what is measured, and the correct answer for each released item.

Because the assessment was administered during the **fall** of the school year, only content from the *previous* grade level was measured on the assessment. For example, items eligible for the Grade 4 assessment will measure the Grade 3 EGLCE.

Full descriptions of the EGLCE contained in the chart below are available for review and download at **www.mi.gov/mi-access**.

Released Item Number	EGLCE Code	STRAND or Abbreviated Extended GLCE Descriptor	Answer Key
		DATA AND PROBABILITY	
R4	D.RE.03.FI.EG01	Collect and explore data	A
		GEOMETRY	
R1	G.SR.03.FI.EG04	Predict the next element in a simple geometric pattern	C
R2	G.GS.03.FI.EG01	Identify common two-dimensional shapes	C
		MEASUREMENT	
R6	M.UN.03.FI.EG03	Use the common words for the parts of the day	A
R7	M.PS.03.FI.EG02	Compare length and weight of objects	C
R8	M.PS.03.FI.EG09	Add and subtract money in dollars only	B
		NUMBERS AND OPERATIONS	
R3	N.ME.03.FI.EG04	Compose and decompose numbers to 30	A
R5	N.ME.03.FI.EG08	Identify and place whole numbers on a number line	A
R9	N.FL.03.FI.EG12	Know all the addition facts up to 10 + 10	C
R10	N.FL.03.FI.EG16	Calculate sums and differences	B



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